



Mobile, Modular Hospital Concept

What It Is:

When a soldier in the field becomes ill or wounded, Forward Surgical Teams must provide treatment even in remote, poorly equipped sites and inclement weather. The Mobile, Modular Hospital is a new concept that will provide a mobile, climate-controlled shelter — letting Forward Surgical Teams effectively reach and treat troops in the field.



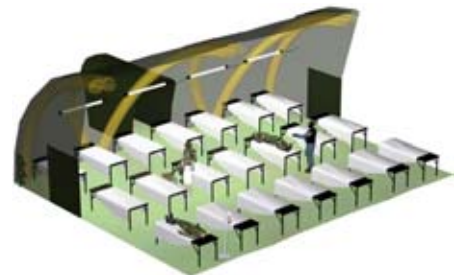
FST Shelter Module

Why It's Needed:

Forward Surgical Teams now use an old-design tent called the General Purpose-Large (GP-Large), which has many shortcomings: it has no floor, and it's difficult to erect, unstable in high winds, not environmentally controlled, and leaky in wind-driven rain and blowing sand.

How It Works:

Protected Floor Space...A single shelter module of the hospital, at 1140 square feet, will support the pre-op, surgery, and post-op for a Forward Surgical Team. Four modules could be complexed to provide the protected floor space needed for the Medical Reengineering Initiative hospital, a concept for a mobile 84-bed hospital.



MRI Hospital Module

Airbeam Support...This airbeam shelter is lighter weight than the GP-Large, which is supported by poles. Once the shelter is rolled out on the ground, an inflation blower easily inflates the airbeams and deploys the shelter.

Climate Control...A dedicated Environmental Control Unit (ECU) provides heating and air conditioning in the self-contained shelter.

High Mobility...The Mobile, Modular Hospital will be transported by a modified Medium Tactical Vehicle Trailer. The trailer provides the ECU, the inflation blower, a generator for power, and fuel and water tanks. An on-board lifting arm will deploy each shelter module off the trailer.



**MTV Trailer Delivery/
Deployment System**

Benefits:

Transportable...Lightweight and compact, the Mobile, Modular Hospital will be much more mobile than existing hospitals. Power, heating and cooling are all mounted on the trailer.

Efficient...Because the airbeam shelters self-deploy, fewer soldiers are needed to erect the hospital and deployment times are greatly reduced.

Point of Contact:

Collective Protection Liaison

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**MRI Hospital
Complex (84 beds)**

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